

5/11/84  
around 1:00 P.M.  
and later if possible

Approved  
C. Jacobson  
5/11/84

# PERMIT

P 33391  
A 32511

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
992-2330

05-349346  
INDEX

ELLICOTT CITY  
DISTRICT 5th.  
DATE 12/13/83

Paul Schissler IS PERMITTED TO INSTALL  ALTER

ADDRESS 4410 Shellbottom Road, Westminster, Md. 21157 PHONE 875-4197

SUBDIVISION Von Bretzel Property ROAD 13120 ~~13130~~ Route 108 LOT \_\_\_\_\_

PROPERTY OWNER Walter Emrich PHONE: 247-4399

ADDRESS 1102 South Rolling Road  
Catonsville, Maryland

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES \_\_\_\_\_ NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

4/14/83  
122

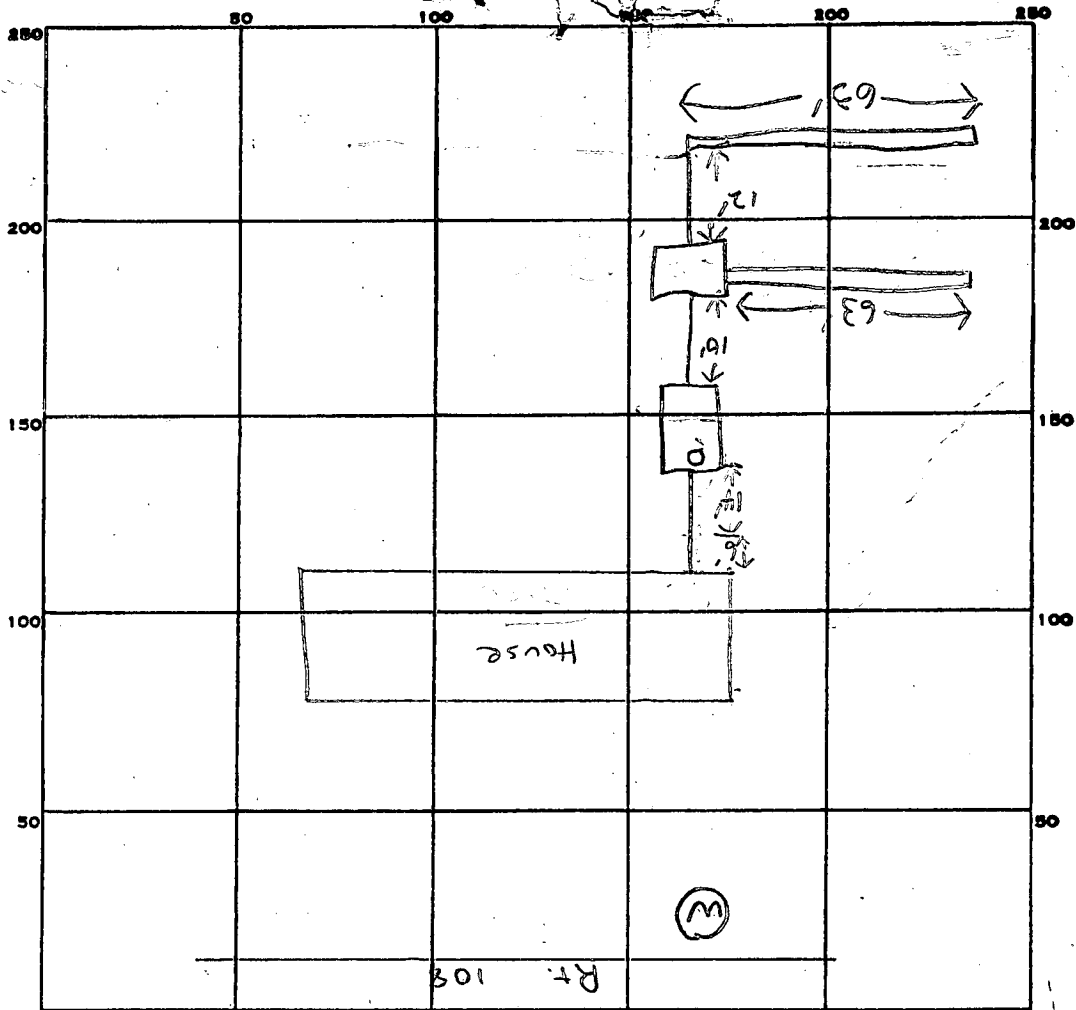
TRENCHES - 163 sq. ft. per bedroom. Trench to be 2 ft. wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade, with 4 feet of stone below distribution pipe. LOCATION: Start first trench approximately 300 feet from right (289') lot line and 140 feet from front lot line as seen when facing property from Route 108. Run trench(s) along level ground toward right lot line. NOTES: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. Call for inspection of trench before gravel is installed. Provide 6"-8" diameter cleanout and cap to grade or above onseptic tank.

PLANS APPROVED BY C. Williams DATE 4/14/83

- COVER NO WORK UNTIL INSPECTED AND APPROVED.
- NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
- NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.
- NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER. NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH.
- NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS.
- PERMIT VOID AFTER THREE YEARS.
- NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

A 33511



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS S.T.

DISTRIBUTION BOX, LEVEL N/A

TILE FIELD, DEPTH 8 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 4 IN. TOTAL LENGTH 126 FT.

NUMBER OF TRENCHES 2 (63' each) One Sidewall TOTAL BOTTOM AREA 504

SEEPAGE PITS, INSIDE DIAMETER \_\_\_\_\_ FT. DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA 504 SQ. FT.

REMARKS Trenches O.K. to add gravel 5/11/84 af.

DATE SYSTEM APPROVED 5/11/84

INSPECTOR Alan Jacobson

CT 7722 SEQUENCE NO. (OEP USE ONLY)  
 THIS NUMBER IS TO BE PUNCHED (IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND  
 WELL COMPLETION REPORT  
 FILL IN THIS FORM COMPLETELY  
 PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.  
 COUNTY NUMBER A 32511

Date Received (OEP use only)

DATE WELL COMPLETED  
05/08/3

Depth of Well 140  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
HO-81-0075

OWNER Emrich Walter  
 last name first name  
 STREET OR RFD Md. Rte 108 TOWN Highland  
 SUBDIVISION Von Bretzel Property SECTION tax map 34 LOT parcel 190

**WELL LOG**  
 Not required for driven wells  
 STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
TOP SOIL	0	2	
CLAY	2	6	
SHALEY	6	12	
SANDSTONE	12	40	✓
SANDSTONE & QUARTZ	40	65	
MICA	67	70	
FLINT & QUARTZ	70	80	✓
MICA	80	90	
SANDSTONE & QUARTZ	90	95	✓
MICA	95	140	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED  YES  NO  
 (Circle Appropriate Box)  
 TYPE OF GROUTING MATERIAL  
 CEMENT  BENTONITE CLAY   
 NO. OF BAGS 22 NO. OF POUNDS 2200  
 GALLONS OF WATER 120  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 ft. to 60 ft.  
48 TOP (enter 0 if from surface) 54 BOTTOM 58

**CASING RECORD**  
 casing types insert appropriate code below  
 ST STEEL  CO CONCRETE  
 PL PLASTIC  OT OTHER  
 MAIN CASING TYPE  
 Nominal diameter (top/main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 68  
 S  T

**OTHER CASING** (if used)  
 diameter inch \_\_\_\_\_ depth (feet) from \_\_\_\_\_ to \_\_\_\_\_  
 E A C H C A S I N G

**SCREEN RECORD**  
 screen type or openhole insert appropriate code below  
 ST STEEL  BR BRASS  HO OPEN HOLE  
 PL PLASTIC  OT OTHER

**SCREEN**  
 C 2 (seq. no.)  
 E A C H S C R E E N  
 1  H O 66 140  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_  
 DEPTH (nearest ft.)  
 SLOT SIZE \_\_\_\_\_  
 DIAMETER OF SCREEN \_\_\_\_\_ (NEAREST INCH)  
 from \_\_\_\_\_ to \_\_\_\_\_

GRAVEL PACK \_\_\_\_\_  
 IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX  F

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
 T (E.R.O.S.) \_\_\_\_\_ W Q \_\_\_\_\_  
 TELESCOPE CASING \_\_\_\_\_ LOG INDICATOR \_\_\_\_\_ OTHER DATA \_\_\_\_\_

C 3 (seq. no.)  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) 3  
 PUMPING RATE (gal. per min. to nearest gal.) 10  
 METHOD USED TO MEASURE PUMPING RATE BUCKET  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING 21  
 WHEN PUMPING 23  
 TYPE OF PUMP USED (for test)  
 A air  P piston  T turbine  
 C centrifugal  R rotary  O other (describe below)  
 J jet  S submersible

**PUMP INSTALLED** YES  NO   
 DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX)  Y  N  
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE  
 TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O))  
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) \_\_\_\_\_  
 PUMP HORSE POWER \_\_\_\_\_  
 PUMP COLUMN LENGTH (nearest ft.) \_\_\_\_\_  
 CASING HEIGHT (circle appropriate box and enter casing height)  
 + above LAND SURFACE  
 - below 2 (nearest foot)

LOCATION OF WELL ON LOT  
 SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)  
 LEFT Lot Line  
 300' WELL  
 RT. 108

- CIRCLE APPROPRIATE BOX  
 A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED  
 E ELECTRIC LOG OBTAINED  
 P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 40  
George J. Comstock  
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
Charles R. Tollers  
 SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)





B 1 0620

SEQUENCE NO. (OEP USE ONLY)

8:00 - 3 hr pump test 5/10/83

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

HO-81-0075

fill in this form completely

Date Received

0 4 1 8 8 3

B 3

LOCATION OF WELL

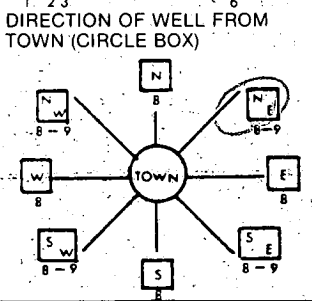
OWNER INFORMATION: 9:15/5/10/83, E. Enrich, Walter, 10186 Baltimore, E. Ellicott City, Md.

COUNTY: Howard; SUBDIVISION: Von Bretzel Property; SECTION: tax map 34; LOT: parcel 190; NEAREST TOWN: Highland; MILES FROM TOWN: 2

B 1 Continued DRILLER INFORMATION

Driller's Name: Howard Easterdag; Firm Name: L.F. Easterdag, INC.; Address: 9265 Brown Church rd. #104; Signature: Howard Easterdag; Date: 4/15/83

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



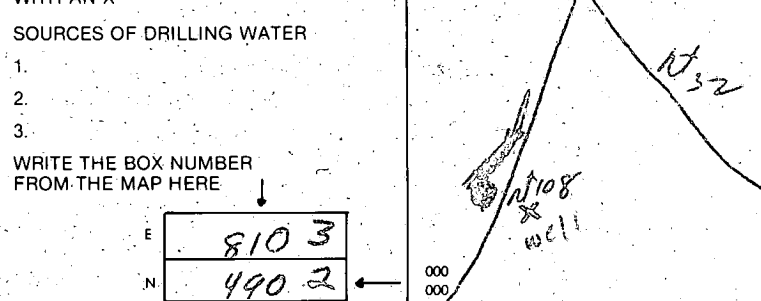
13130 Rt 108; NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): WEST; DISTANCE FROM ROAD: 45

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5; AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X



- USE FOR WATER (CIRCLE APPROPRIATE BOX): [D] HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY); [I] INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT); [P] PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL); [T] TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

APPROXIMATE DEPTH OF WELL: 150 FEET; APPROXIMATE DIAMETER OF WELL: 6 INCH

METHOD OF DRILLING (circle one): AIR ROTARY; BORED (OR AUGERED); JETTED & DRIVEN

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX): [N] THIS WELL WILL NOT REPLACE AN EXISTING WELL; [S] THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY

Location OK; 68' casing; 1 1/2' above gw; 60' open; 22 bags cement; 5/10/83

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER: GAP; FORCE: EC; PERMIT No.: HO-81-0075

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME: HOWARD; COUNTY NO.: A32511; OEP SIGNATURE: Frank Shimm; DATE ISSUED: 042783; NORTH GRID: 492; EAST GRID: 0813; EXPIRES: 102783

SPECIAL CONDITIONS 8-63

*Retest*  
*1:30 P.M.*  
*3/14/83*

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 32571

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

DISTRICT 5th.

DATE 3/01/83

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER WALTER EMRICH  
1102 South Rolling Rd.  
ADDRESS Catonsville, Md PHONE 297-4399 after 4 PM

PROPERTY LOCATION:

SUBDIVISION Von Bretzel property LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Route 108, Highland, Maryland Approximately 1 1/2 mil South of  
Clarksville on Route 108 <sup>13120</sup> 73780 Route 108

SIZE OF LOT 5.14 acres TYPE BLDG. 3 BR. pub P 53403  
3 (NUMBER OF BEDROOMS)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Edward A. Brund  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

BLDG. PERMIT SIGNED  
AND RETURNED 2/13/83  
Serial # 55333  
SPD.

BLDG. PERMIT SIGNED  
AND RETURNED 3/11/83  
Serial # 53403 S.F. 10

# THIS IS NOT A PERMIT



# APPLICATION

A 17376

P \_\_\_\_\_

SEWAGE DISPOSAL TESTING

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY 3BR

4BR

ELLICOTT CITY

DISTRICT 5th

DATE 8/23/72

Received  
9/26/72  
9:30

1st 1000 Gal Tank 1250 Gal Tank  
Dry Well 320 sqft sidewalk area below inlet Dry Well - 480 sqft sidewalk area below inlet

Dry Well inlet to be no deeper than 5' 7" and  
bottom of Dry Well to be no deeper than 12' 7"

Place the dry Well 4' 5" 7" from the front lot  
line and 26' 5" 7" from the right side of  
the lot as seen when facing

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM. the lot from Route 108

PROPERTY OWNER James Von Bretzel & Gedde Bretzel

ADDRESS 5946 Trotter Road, Clarksville, Md. 21029 PHONE 531-5841

PROPERTY LOCATION: No Basement Toilets

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Route 108, Highland, Maryland Approx 1/2 mi  
South of Clarksville on Rt 108

OCCUPANT \_\_\_\_\_ PHONE \_\_\_\_\_

PERSON TO CONSTRUCT SYSTEM \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

SIZE OF LOT 5.14 acres TYPE BLDG. 3 or 4 bedrooms  
NUMBER OF BEDROOMS \_\_\_\_\_

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

SIGNATURE OF APPLICANT James von Bretzel, Jr.

APPROVED BY Raymond Hodges FOR Dry Well DATE 9/26/72  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT



# APPLICATION

A 17376

P \_\_\_\_\_

SEWAGE DISPOSAL TESTING

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 5th

DATE 8/23/72

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER James Von Bretzel & Gedde Bretzel

ADDRESS 5946 Trotter Road, Clarksville, Md. 21029 PHONE 531-5841

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Route 108, Highland, Maryland

OCCUPANT \_\_\_\_\_ PHONE \_\_\_\_\_

PERSON TO CONSTRUCT SYSTEM \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

SIZE OF LOT 5.14 acres TYPE BLDG. 3 or 4 bedrooms  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

SIGNATURE OF APPLICANT James Von Bretzel, Jr.

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

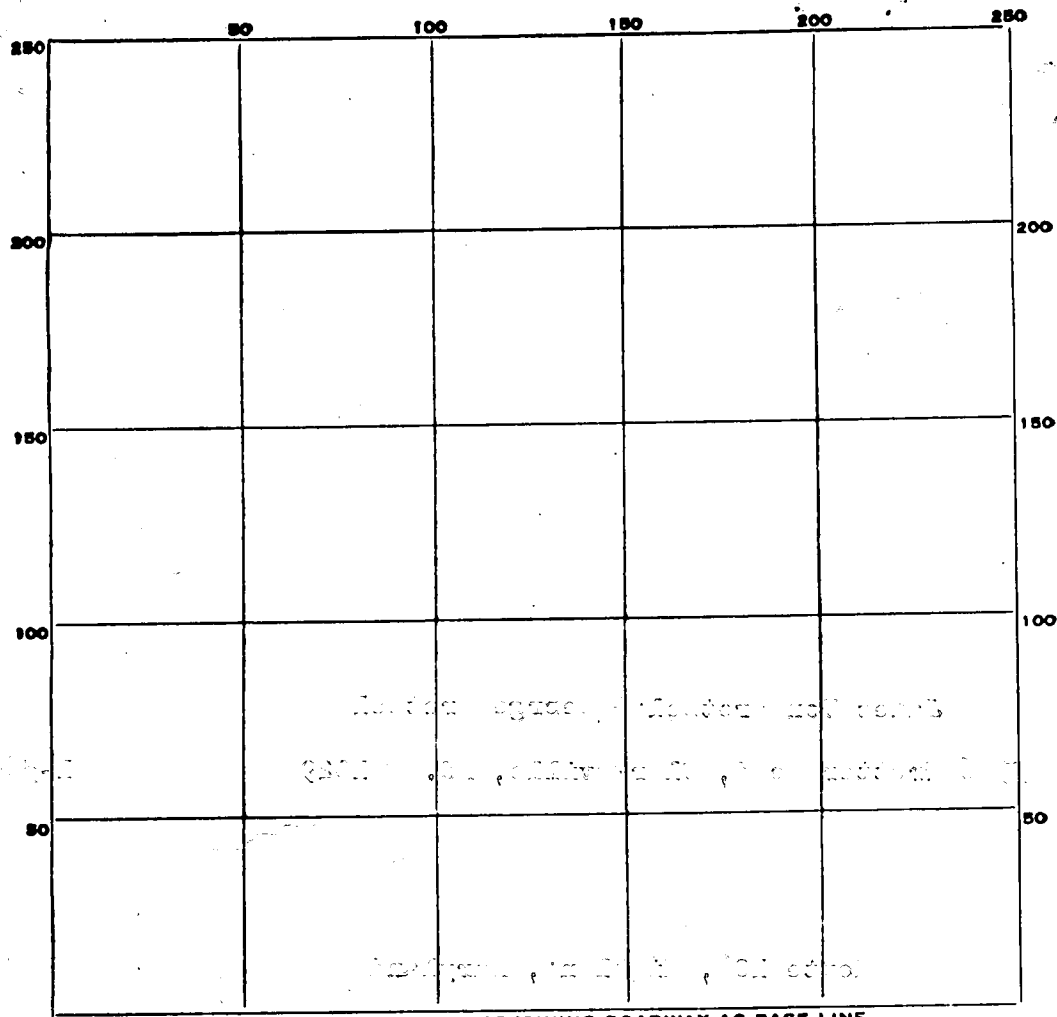
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT

The soil may have been  
 tested with a name of Corvella

See  
 Attached  
 Map



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/26/72	1	4 1/2	1005	1008	1008	1013	5
	2	10 1/2	1005	1009	1009	1020	11
	3	12 1/2	TOP 4 FT CLAY BUT 8 FT SAND & ROCK				DR 7
	4	4	1019	1020	1020	1022	2
9/26/72	5	10	1019	1022	1022	1024	7
9/26/72	6	10 1/2	ALL SAND & ROCK				Dry

SOIL AUGER FINDING \_\_\_\_\_  
 TESTED BY B. Hedges  
 REMARKS No basement Corvella



PILOT PLAN

Walter BUD EMRICH PROPERTY  
 TAX MAP #34 PARCEL # 190  
 5th ELECTION DISTRICT  
 HOWARD COUNTY MARYLAND  
 SCALE 1"=50' DATE 4/7/83

HOUSE:

FIRST FLOOR	496.0
BASEMENT	487.0
INVERT	494.06

SEPTIC TANK:

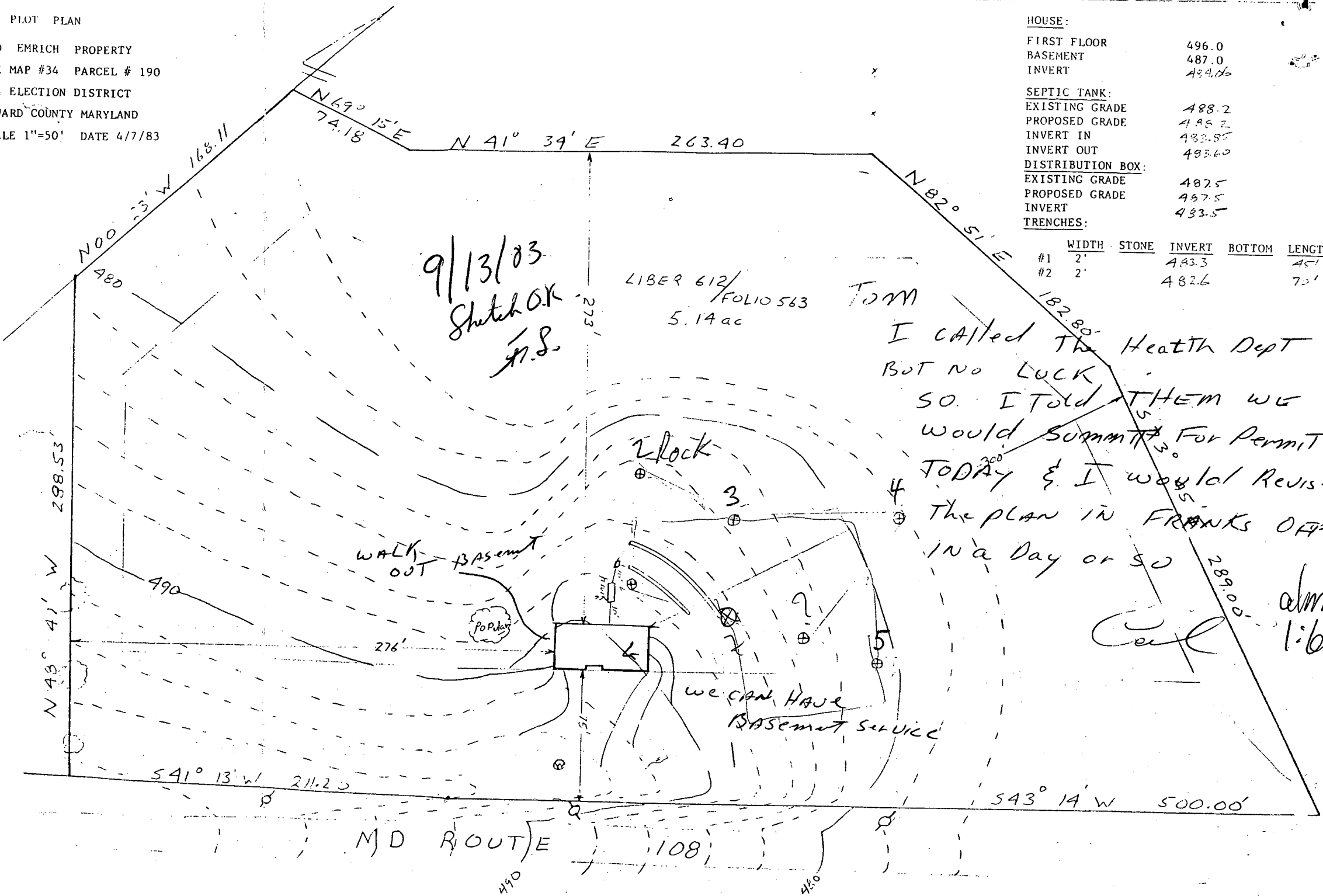
EXISTING GRADE	488.2
PROPOSED GRADE	495.2
INVERT IN	483.85
INVERT OUT	483.60

DISTRIBUTION BOX:

EXISTING GRADE	487.5
PROPOSED GRADE	487.5
INVERT	483.5

TRENCHES:

	WIDTH	STONE	INVERT	BOTTOM	LENGTH
#1	2'		483.3		45'
#2	2'		482.6		70'



9/13/83  
 Sketch OK  
 J.S.

LIBER 612/FOLIO 563 TOM  
 5.14 ac

I CALLED THE Health Dept  
 BOT NO LUCK  
 SO I TOLD THEM WE  
 WOULD SUMMIT For Permit  
 TODAY & I would Revise  
 The plan IN FRANKS OFFICE  
 IN a Day or SO

Call almost 1:60

WALK OUT BASEMENT

Poplar

2 Rock

we CAN HAVE  
 BASEMENT SERVICE

MD ROUTE 108